

Claims

1. L-shaped frame member for a wheelchair, said frame member comprising

- 5 - a first arm with a first cross section,
- a second arm with a second cross section, and a
- knee-shaped composite element, wherein
- said first arm is connected to said second arm via the knee-shaped composite element, a solid connection between the first arm and the knee-shaped composite element and a solid connection between the second arm and the knee-shaped composite element being formed by mounting glue, and wherein
- 10 the knee-shaped composite element provides for a change in cross section.

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2. The frame member of claim 1,

wherein the first arm and/or the second arm is a tube or has a hollow end area, preferably in form of a tube, wherein the tubes preferably are thin-walled tubes.

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3. The frame member of claim 1,

wherein the first cross section is chosen to allow one or more of the following units to be attached to or to be connected with the first tube:

- a wheelchair seat element;
- a wheelchair backrest;
- a wheelchair braking arrangement.

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4. The frame member of one of claim 1,

wherein the second cross section is chosen to allow one or more of the following units to be attached to or to be connected with the second tube:

- a suspension element with front wheel;
- a foot rest, lever, or bar;

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5. The frame member of claim 1,

wherein the first arm and/or the second arm comprise aluminum, titanium, or magnesium.

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6. The frame member of claim 1,

wherein the first arm and/or the second arm are deep-drawn, or extruded tubes.

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7. The frame member of claim 1,

wherein the knee-shaped composite element is at one end partially situated inside the first arm and at the other end partially situated inside the second arm, providing for an overlap between the respective arm and end areas of the knee-shaped composite element.

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8. The frame member of claim 7,

wherein the mounting glue is situated in an area between the end portions of the knee-shaped composite element and of the first and second arm, respectively.

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9. The frame member of claim 7,

wherein the end portions of the knee-shaped composite element comprise a recess or a cavity in which the mounting glue is mainly situated.

- 10.** The frame member of claim **8**, wherein the end portions of the knee-shaped composite element comprise a recess or a cavity in which the mounting glue is mainly situated.
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- 11.** The frame member of claim **1**, wherein the knee-shaped composite element comprises reinforcing fibers like carbon fibers and/or Kevlar.
- 10 **12.** Frame of a wheelchair comprising a frame member of claim **1**, wherein preferably one of the arms is essentially upright and the other of the arms is essentially horizontal.